

**ABSTRACT**

A system and process for stamping parts having tolerances below 1000 nanometers. The  
5 inventive system and process is particularly suited for producing optoelectronic parts. The  
system includes a stamping press and one or a progression of stamping stations for supporting a  
punch and die. The stamping stations are designed to maintain substantial alignment of the  
punch and die with minimal moving components. The stamping station includes a shaft for  
rigidly guiding the punch to the die. The stamping press is capable of providing the punch with  
10 the necessary force to perform the stamping operations. The system includes an interface system  
for interfacing the force of the press with the punch, while simultaneously structurally decoupling  
the press from the punch. The system also includes a locating sub-plate, for locating the  
stamping station in alignment relative to each other, and means for in-line machine stock  
material before entry into the stamping stations.